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DATE MAILED: 12/17/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/737,254	12/15/2003	Shengming Huang	50019.268US01/P05726	5822
23552	7590 12/17/2004		EXAMINER	
	Γ & GOULD PC		CUNNINGHAM, TERRY D	
P.O. BOX 2903 MINNEAPOLIS, MN 55402-0903			ART UNIT	PAPER NUMBER
	,		2816	

Please find below and/or attached an Office communication concerning this application or proceeding.

			Wu.		
	Application No.	Applicant(s)			
Office Action Comment	10/737,254	HUANG ET AL.			
Office Action Summary	Examiner	Art Unit			
	Terry D. Cunningham	2816			
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the	correspondence address	- ·		
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a repl - If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be til y within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from a. cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communic. D (35 U.S.C. § 133).	ation.		
Status					
1) Responsive to communication(s) filed on					
_	—· s action is non-final.	·			
3) Since this application is in condition for allowa		assocution as to the morit	e ie		
closed in accordance with the practice under E	·		5 15		
Disposition of Claims	-x parto quayre, 1000 0.0. 11, 4	00 0.0. 210.			
<u> </u>	•				
4) Claim(s) <u>1-20</u> is/are pending in the application					
4a) Of the above claim(s) is/are withdra	wn from consideration.				
5) Claim(s) is/are allowed.					
6) Claim(s) <u>1-3,5-8 and 12-20</u> is/are rejected.					
7) Claim(s) <u>4 and 9-11</u> is/are objected to. 8) Claim(s) are subject to restriction and/o					
,,,_,,_,_,_,_,_,_,_,_,_,_,_,_,	r election requirement.				
Application Papers					
9) The specification is objected to by the Examine					
10)⊠ The drawing(s) filed on <u>15 December 2003</u> is/are: a)⊠ accepted or b) \Box objected to by the Examiner.					
Applicant may not request that any objection to the		• •			
Replacement drawing sheet(s) including the correct					
11)☐ The oath or declaration is objected to by the Ex	caminer. Note the attached Office	Action or form PTO-152	2.		
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:	priority under 35 U.S.C. § 119(a)-(d) or (f).			
1. Certified copies of the priority document	s have been received.				
2. Certified copies of the priority document		on No			
3. Copies of the certified copies of the prior					
application from the International Bureau					
* See the attached detailed Office action for a list	• • • •	ed.			
•					
Attachment(s)					
1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)			
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	ate			
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	6) Other:	atent Application (PTO-152)			

DETAILED ACTION

Claim Rejections - 35 USC § 112

Claim 2 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 2, "a first transistor" has already been recited in claim 1.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3, 5-8 and 12-20 are rejected under 35 U.S.C. 102(b) as being anticipated by D'Angelo (USPN 6,166,530).

With respect to claims 1-3, 5-8 and 12-16, D'Angelo discloses, in Fig. 5, a circuit comprising: "a power device (102 and 114)"; "a load (104)"; "a current sense circuit (148-152)"; "a first transistor (110)"; "a second transistor (one or more of 128-136)"; "a comparator (140-146)"; and "a level shifter (154)", all connected and operating similarly as recited by Applicant.

With respect to claims 17-20, clearly the above circuit to D'Angelo will provide the recited method.

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Claims 4 and 9-11 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Terry Cunningham whose telephone number is 571-272-1742. The examiner can normally be reached on Monday-Thursday from 7:30 to 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy P. Callahan can be reached on 571-272-1740. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TC December 13, 2004 Terry D. Cunningham
Primary Examiner